A spinal needle comprising	
	a :

an elongated, hollow needle having a lumen, said lumen having a first cross sectional area;

a modified pencil-like point on a distal end of said elongated, hollow needle;

a rounded shoulder circumscribing said elongated, hollow needle at the juncture of said modified pencil-like point and said elongated, hollow needle; and

a side port in said elongated, hollow needle, said side port being located adjacent said rounded shoulder and having a second cross sectional area, said second cross sectional area being equal to or incrementally larger than said first cross sectional area of said lumen of said elongated, hollow needle.

9.

2. The spinal needle defined in claim 1 wherein said elongated, hollow needle is selected from gauge size selected from the group consisting of a gauge size between 20 gauge to 26 gauge.

3. The spinal needle defined in claim 1 wherein said second cross sectional area of said side port is determined by the formula L x W and which is equal to or greater than said first cross sectional area which is determined by the formula πD^2 .

4. The spinal needle defined in claim 3 wherein said length is less than 1.5 times said diameter of said lumen.

8,

5. The spinal needle defined in claim 1 wherein said side port comprises a first edge adjacent said rounded shoulder and said first edge is located at a distance from said modified, pencil-like point equal to or less than 1.5 times the external diameter of said elongated, hollow needle.

9-

6. The spinal needle defined in claim 5 wherein said side port incrementally modifies the external profile of said elongated, hollow needle adjacent said rounded shoulder.

7. The spinal needle defined in claim 6 wherein said side port reduces a moment arm between said modified, pencil-like point and said side port by said side port being located adjacent said rounded shoulder.

A spinal needle comprising: an elongated, hollow needle;

8_

9-

- a lumen in said elongated, hollow needle, said lumen having a first cross sectional area;
- a modified pencil-like point on one end of said elongated, hollow needle;
- a rounded shoulder on said elongated, hollow needle at the juncture of said modified pencil-like point with said elongated, hollow-needle;
- a side port through a sidewall of said elongated, hollow needle, said side port providing fluid communication through said sidewall between said lumen and the exterior of said elongated, hollow needle, said side port having a second cross sectional area, said second cross sectional area being equal to or incrementally larger than said first cross sectional area; and
- a reduced moment arm for reduced breakage of said elongated, hollow needle, said reduced moment arm comprising said side port being located adjacent said rounded shoulder.
- 9. The spinal needle defined in claim 8 wherein said side port includes a leading edge adjacent said rounded shoulder and said reduced moment arm is held to less than 1.5 times the external diameter of said elongated, hollow needle, said moment arm being measured by the distance between said leading edge and the end of said modified, pencil-like point.

	10.	The	spi	nal	need]	le defi	ned i	n clai	m 8 wl	nerein	said	side
port	is	cut	thr	ough	said	i side	wall	and	there	oy mod	ifies	the
exte	rnal	prof	ile	of	said	elonga	bed,	hollow	needl	e adja	cent	said
round	ded s	shoule	der.			ή.	H					

11. The spinal needle defined in claim 8 wherein said side port has a length less than 1.5 times the diameter of said lumen.

8.

9-

12. A method for delivering a spinal anesthesia comprising the steps of:

8.

9-

obtaining an elongated spinal needle, said spinal needle having a hollow lumen having an internal diameter and a first cross sectional area;

forming a modified, pencil-like point on a distal end of said elongated spinal needle;

shaping a rounded shoulder on said elongated spinal needle at the juncture of said modified, pencil-like point with said elongated spinal needle;

preparing a side port though a side wall of said elongated hollow needle between said lumen and the ambient;

said side port having a second cross sectional area;

said second cross sectional area being equal to or incrementally greater than said first cross sectional area of said lumen; and

passing said spinal anesthesia through said lumen of said elongated spinal needle and directing said spinal anesthesis through said side port.

13. The method defined in claim 12 wherein said shaping step includes atraumatically parting the dura with said rounded shoulder by gradually stretching fibers in the dura and gradually releasing said fibers upon withdrawal of said elongated spinal needle.

14. The method defined in claim 12 wherein said preparing step includes placing said side port adjacent said rounded shoulder.

8.

9-

step includes forming a leading edge on said side port, said leading edge being closest to said rounded shoulder, said leading edge being less than 1.5 times the external diameter of said elongated spinal needle from the tip of said modified, pencil-like point thereby reducing a moment arm on said elongated spinal needle.